

Title (en)

FLOATING WIND TURBINE GENERATOR INSTALLATION

Title (de)

SCHWIMMENDE INSTALLATION EINES WINDTURBINENGENERATORS

Title (fr)

INSTALLATION DE GÉNÉRATEUR À TURBINE ÉOLIENNE FLOTTANTE

Publication

EP 3849894 B1 20230607 (EN)

Application

EP 19761863 A 20190902

Priority

- EP 18194198 A 20180913
- EP 2019073339 W 20190902

Abstract (en)

[origin: WO2020053015A1] A method of installing a wind turbine generator onto a floating foundation. The floating foundation has variable buoyancy and is pre-ballasted to float at a predetermined vertical position before installation of a wind turbine generator component onto the floating foundation. A wind turbine generator component supported by lifting equipment is brought towards the floating foundation until contact is made with the floating foundation. Ballast is removed from the floating foundation to increase the buoyancy of the floating foundation such that weight of the wind turbine generator component supported by the floating foundation is increased from substantially zero to substantially the entire weight of the wind turbine generator component. The vertical position of the floating foundation is substantially unchanged during transferring weight of the wind turbine generator component onto the floating foundation.

IPC 8 full level

B63B 1/10 (2006.01); **B63B 35/44** (2006.01); **F03D 13/10** (2016.01); **F03D 13/25** (2016.01)

CPC (source: EP US)

B63B 1/107 (2013.01 - EP US); **B63B 35/44** (2013.01 - EP US); **B63B 75/00** (2020.01 - EP US); **B63B 77/10** (2020.01 - EP); **F03D 13/10** (2016.05 - EP US); **F03D 13/25** (2016.05 - EP US); **B63B 39/03** (2013.01 - EP); **B63B 2035/446** (2013.01 - EP US); **F05B 2240/93** (2013.01 - EP US); **Y02E 10/72** (2013.01 - EP US); **Y02E 10/727** (2013.01 - EP US)

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